

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	383	(29/890.142).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/18 10:13
L6	1278	(239/601).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/18 11:12
L7	90	l6 and injector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/18 11:13
S1	4	hou-deyang.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:40
S2	17	"4779587"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:40
S3	84	"6230683"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:40
S4	4	"6726121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:40
S5	11	"6557779"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:40
S6	33	mixed-mode and (fuel injector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:53
S7	30361	variable same orifice	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:54

S8	995	S7 and (fuel injector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:54
S10	4	S8 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:54
S11	2	conical-multi-jet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:58
S12	2	conical multi jet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/16 12:58
S13	0	(239/583.120).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:58
S14	1232	(239/533.2).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:58
S15	285	(239/533.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:58
S16	1236	(239/533.3-533.4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:59
S17	798	(239/584).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:59
S18	2283	(239/585.1-585.5).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:59
S19	1087	(239/590.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/16 12:59

S20	44	(239/595).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2009/04/16 12:59
S21	5846	S14 or S15 or S16 or S17 or S18 or S19 or S20	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/16 13:00
S22	2627	S21 and injector	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/16 13:01
S23	983	S22 and conical	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/16 13:01
S24	59	S23 and (variable same orifice)	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/16 13:02
S25	1	S22 and (micro channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/16 13:04
S26	151	("1738489" "2307949" "2351035" "2974881" "2975982" "3006556" "3049303" "3379374" "3444886" "3528613" "3680782" "3777977" "3796206" "3835829" "3921604" "3943901" "4030668" "4033513" "4034917" "4060199" "4069800" "4116389" "4129256" "4181144" "4186883" "4192466" "4218021" "4230273" "4423842" "4699323" "4771984").PN. OR ("2685334" "3042317" "4129254" "4219154" "4350301" "4487369" "4923169" "4934653").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/16 13:23
S27	134	injector and (multi\$5 spray)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/16 13:59
S28	1	conical multi jet	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/16 14:05
S29	653	multi jet	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/16 14:05
S30	23	S29 and (fuel injector)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/16 14:05
S31	23	("2307949" "2351035" "2975982" "3379374" "3444886" "4034917" "4181144").PN. OR ("4350301").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/16 14:28

S32	11	"5522550"	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:33
S33	2	"20020026923"	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:33
S34	0	3941151A1	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:33
S35	0	0316707A1	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:34
S36	2	"0316707"	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:34
S37	27	"3941151"	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:34
S38	4	"7108201"	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2009/04/20 13:34
S39	1232	(239/533.2).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2009/04/20 13:54
S40	285	(239/533.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2009/04/20 13:54
S41	1236	(239/533.3-533.4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2009/04/20 13:54
S42	798	(239/584).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2009/04/20 13:54

S43	2283	(239/585.1-585.5).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/20 13:54
S44	1087	(239/590.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/20 13:54
S45	44	(239/595).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/20 13:54
S46	5846	S39 or S40 or S41 or S42 or S43 or S44 or S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/20 13:54
S47	251	S46 and grind\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/04/20 13:54
S48	59	(fluid injector) and (cylindrically shaped)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:23
S49	637	(fuel injector) and (cylindrically)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:24
S50	283	S49 and seat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:24
S51	32626	valve and needle and seat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:25
S52	12830	S51 and fuel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:25
S53	4588	S52 and injector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:25

S54	1793	S53 and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:26
S55	1097	S54 and housing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:26
S56	536	S55 and cylindrica\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:26
S57	50326	fuel injector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:46
S58	6	S57 and (external seat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:46
S59	799	S57 and (external same seat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 08:47
S60	33	("2521224" "3076439" "3097662" "3573863" "3759282" "4447224" "4909440" "5165652" "5560586" "5597009" "5634627" "5718160"). PN. OR ("6311950").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:49
S61	12	("6119952" "6311950" "6739528" "6755353" "6948667" "6962297" "6969009" "7032833" "7044407" "7055765" "7066399").PN. OR ("7309032").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:54
S62	10	("2613998" "3282512" "4803393" "5205492" "6311950" "6676030"). PN. OR ("7044407").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:55
S63	4	biagetti-fabrizio.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:57
S64	1803	fuel injector and needle and valve and cylindrical\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:59
S65	1168	S64 and housing	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:59
S66	563	S65 and actuator	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 08:59
S67	1260	239/533.3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 09:51
S68	495	239/533.11	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 09:51

S69	1272	239/533.12	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 09:51
S70	2157	S67 or S68 or S69	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 09:52
S71	223	29/890.142	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 12:56
S72	6033	(fuel injector) and (valve seat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 13:14
S73	2309	S72 and needle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 13:14
S74	1332	S73 and housing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/25 13:14
S75	1254	(239/533.2).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/12 07:49
S76	287	(239/533.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/12 07:49
S77	1253	(239/533.3-533.4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/12 07:49
S78	844	(239/584).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/12 07:49
S79	2366	(239/585.1-585.5).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/12 07:49
S80	1094	(239/590.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/12 07:49

S81	44	(239/595).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2010/02/12 07:49
S82	6003	S75 or S76 or S77 or S78 or S79 or S80 or S81	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2010/02/12 07:49
S83	2747	S82 and injector	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2010/02/12 07:49
S84	2708	S83 and fuel	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2010/02/12 07:49
S85	790	(239/533.5,533.7,533.8).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2010/02/12 07:57
S86	13	("4394970" "4408722" "4523719" "5090625").PN. OR ("5593095").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:00
S87	13	("4408722" "4523719" "5090625"). PN. OR ("5685492").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:01
S88	29	("0418144" "1755192" "3069099" "3118611" "4082224" "4270257" "4394970" "4473189" "4497443" "4662338" "4932591" "4934329" "4982708" "5090625" "5405088" "5551638" "5593095").PN. OR ("5833142").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:03
S89	28	("2044522" "2295081" "4339080" "4381077" "4434766" "4502196" "4758169" "4909444" "4934329" "5090625" "5127584" "5199398" "5546902" "5551638" "5590635" "5593095" "5632253" "5833142" "5884611" "5983865" "6085719" "6095111" "6131607").PN. OR ("6764028").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:10
S90	18	("5522550" "5758829" "6042028" "6113011" "6155499" "6170757" "6224001" "6270024").PN. OR ("6340017").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:15
S91	23	("20010035164" "2523917" "2734008" "3165401" "3319321" "3770426" "4801095" "4817873" "5090625" "5119792" "5257453" "5407131" "5425821" "5479901" "5685492" "5947380" "6047671"). PN. OR ("6755360").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:24
S92	15	("2183284" "2263197" "4982708" "5127584").PN. OR ("5522550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:27

S93	16	("2186216" "2555803" "3008653" "4095580" "4736718").PN. OR ("4982708").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:28
S94	13	("4408722" "4523719" "5090625").PN. OR ("5685492").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/12 08:39
S95	15	("2183284" "2263197" "4982708" "5127584").PN. OR ("5522550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 07:36
S96	7	("5405088" "5497947" "5518184" "5522550" "5743470" "5755385").PN. OR ("6113011").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 07:40
S97	7	("5405088" "5497947" "5518184" "5522550" "5743470" "5755385").PN. OR ("6113011").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 07:52
S98	31	("1921873" "2035203" "2295081" "2762654" "3982693" "4339080" "4750675" "4905908" "5127584").PN. OR ("5497947").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 07:53
S99	14	("4390129" "4817873" "4842018" "4967959" "5271430" "5405088" "5482018" "5497947" "5503184").PN. OR ("5758829").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 07:54
S100	20	("4187987" "4619400" "4909444" "5048489").PN. OR ("5518184").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 07:58
S101	1328	(239/533.2).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/09/28 08:03
S102	295	(239/533.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/09/28 08:03
S103	1296	(239/533.3-533.4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/09/28 08:03
S104	919	(239/584).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/09/28 08:03
S105	2508	(239/585.1-585.5).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/09/28 08:03
S106	1106	(239/590.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/09/28 08:03

S107	47	(239/595).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	OR	OFF	2011/09/28 08:03
S108	6288	S101 or S102 or S103 or S104 or S105 or S106 or S107	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2011/09/28 08:03
S109	2955	S108 and injector	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2011/09/28 08:03
S111	359	S108 and conical valve seat	US-PGPUB; USPAT; USOCR; FPRS; EPO: JPO; DERWENT	ADJ	ON	2011/09/28 08:04
S112	263	("0418144" "1755192" "20010035164" "2035202" "2044522" "2183284" "2186216" "2255203" "2263197" "2295081" "2307949" "2338744" "2351035" "2521224" "2523917" "2555803" "2708601" "2734008" "2975982" "3008653" "3069099" "3076439" "3097662" "3118611" "3165401" "3319321" "3379374" "3444886" "3481542" "3573863" "3610529" "3759282" "3770426" "3801021" "4034917" "4082224" "4095580" "4101076" "4181144" "4270257" "4339080" "4350301" "4360163" "4381077" "4394970" "4408722" "4434766" "4447224" "4473189" "4497443" "4502196" "4523719" "4662338" "4669660" "4736718" "4750706" "4758169" "4801095" "4803393" "4817873" "4842018" "4863105" "4909440" "4909444" "4932591" "4934329" "4958771" "4982708" "5031841" "5090625" "5119792" "5127584" "5165652" "5199398" "5211145" "5257453" "5405088" "5407131" "5425821" "5479901" "5479902" "5482018" "5497947" "5522550" "5546902" "5551638" "5560586" "5590635" "5593095" "5597009" "5630550" "5632253" "5634627" "5685492" "5718160" "5758829" "5810255" "5833142" "5884611" "5947380" "5983865" "6042028" "6047671" "6085719" "6095111" "6113011" "6131607" "6142443" "6155499" "6170757" "6224001" "6270024"). PN. OR ("1921873" "2001/0032893" "2003/0025006" "2003/0052198" "3042317" "3680782" "4350301"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/09/28 08:22

		"4982708" "5494015" "5522550" "5593095" "5685492" "5755385" "5833142" "5931390" "6173912" "6311950" "6340017" "6460779" "6755360" "6764028").URPN.				
S113	3	("2338744").URPN.	USPAT	ADJ	ON	2011/09/28 08:25
S114	3	("2338744").URPN.	USPAT	ADJ	ON	2011/09/28 08:27
S115	15	("2183284" "2263197" "4982708" "5127584").PN. OR ("5522550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2012/01/17 10:09
S116	805	(239/533.5,533.7,533.8).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 10:23
S117	26	S116 and rounded	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 10:23
S118	35	S116 and curved	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 10:23
S119	6	("2317618").URPN.	USPAT	ADJ	ON	2012/01/17 10:24
S120	2531	(239/585.1-585.5).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 10:34
S121	274	S120 and curved	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 10:34
S122	4322	(239/533.2-533.12).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 10:48
S125	4874	(123/299,446,447,467,468).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 10:49
S127	310	S125 and (curved or rounded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 10:49

S128	530	S122 and (curved or rounded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 10:50
S129	15	("2183284" "2263197" "4982708" "5127584").PN. OR ("5522550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2012/01/17 11:30
S130	4322	(239/533.2-533.12).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 12:48
S131	4874	(123/299,446,447,467,468).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 12:48
S132	7563	S130 or S131	US-PGPUB; USPAT; USOCR	ADJ	ON	2012/01/17 12:48
S133	1022	S132 and outward	US-PGPUB; USPAT; USOCR	ADJ	ON	2012/01/17 12:50
S134	14	("4390129" "4817873" "4842018" "4967959" "5271430" "5405088" "5482018" "5497947" "5503184"). PN. OR ("5758829").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2012/01/17 12:59
S137	894	(239/602).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 14:42
S138	295	(239/533.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 14:42
S139	1017	(239/533.12).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2012/01/17 14:42
S140	53	S138 and S139	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 14:43
S141	1206	(S138 or S139) not (S140)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 14:57
S142	4	S137 and fuel injector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 14:59

S143	23	S137 and injector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/01/17 14:59
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EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	4	((239/584,533.2-533.12,584,585.1-585.5,590.3,595,602) or (29/890.142) or (123/299,446,447,467,468)).CCLS.	UPAD	OR	OFF	2012/01/18 11:29
L9	29	valve and body and cartridge and recess and injection and nozzle and needle and seat and diameter and cylindrical\$4 and cross-section and curved and increase\$3 and downstream	USPAT; UPAD	ADJ	ON	2012/01/18 11:32
L10	0	(valve and body and cartridge and recess and injection and nozzle and needle and seat and diameter and cylindrical\$4 and cross-section and curved and increase\$3 and downstream).clm.	USPAT; UPAD	ADJ	ON	2012/01/18 11:32

1 / 18 / 2012 11:34:34 AM**C:\ Documents and Settings\jjonaitis\ My Documents\ EAST\ Workspaces\ 10597510.wsp**